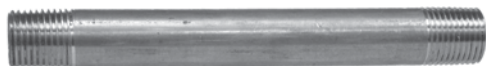
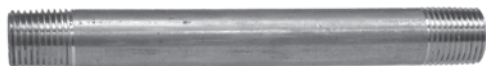


1/8" DIAMETER


Part # Galv	List Price	Length	Box/Case	Approx. Wt. Lbs.	Part # Black	
56-001	1.89	X Close (3/4")	5/600	0.02	57-001	
56-002	1.95	x 1-1/2"	5/600	0.03	57-002	
56-003	2.19	x 2"	5/600	0.04	57-003	
56-004	2.38	x 2-1/2"	5/600	0.06	57-004	
56-005	2.70	x 3"	5/600	0.07	57-005	
56-006	2.89	x 3-1/2"	5/600	0.08	57-006	
56-007	3.19	x 4"	5/600	0.09	57-007	
56-008	4.10	x 4-1/2"	5/400	0.10	57-008	
56-009	5.38	x 5"	5/400	0.11	57-009	
56-010	5.80	x 5-1/2"	5/400	0.12	57-010	
56-011	6.05	x 6"	5/400	0.13	57-011	
56-012	7.55	x 7"	5/400	0.15	57-012	
56-013	7.96	x 8"	5/400	0.18	57-013	
56-014	8.37	x 9"	5/400	0.21	57-014	
56-015	9.07	x 10"	5/200	0.25		
56-017	10.16	x 12"	5/200	0.29		

1/4" DIAMETER


Part # Galv	List Price	Length	Box/Case	Approx. Wt. Lbs.	Part # Black	
56-020	1.97	X Close (7/8")	5/600	0.04	57-020	
56-021	2.12	x 1-1/2"	5/600	0.06	57-021	
56-022	2.46	x 2"	5/600	0.06	57-022	
56-023	2.84	x 2-1/2"	5/600	0.08	57-023	
56-024	3.21	x 3"	5/600	0.10	57-024	
56-025	3.45	x 3-1/2"	5/400	0.12	57-025	
56-026	3.60	x 4"	5/400	0.14	57-026	
56-027	4.33	x 4-1/2"	5/400	0.17	57-027	
56-028	5.10	x 5"	5/300	0.19	57-028	
56-029	5.92	x 5-1/2"	5/300	0.21	57-029	
56-030	6.18	x 6"	5/300	0.23	57-030	
56-031	7.44	x 7"	5/200	0.27	57-031	
56-032	7.58	x 8"	5/200	0.31	57-032	
56-033	7.96	x 9"	5/200	0.35	57-033	
56-034	8.99	x 10"	5/150	0.40	57-034	
56-035	11.45	x 11"	5/150	0.44	57-035	
56-036	11.66	x 12"	5/150	0.48	57-036	
56-038	30.19	x 18"	5/150	0.54		
56-037	13.65	x 24"	5/10	0.96		

3/8" DIAMETER

Part # Galv	List Price	Length	Box/Case	Approx. Wt. Lbs.	Part # Black	
56-040	2.31	X Close (1")	5/600	0.05	57-040	
56-041	2.67	x 1-1/2"	5/600	0.07	57-041	
56-042	2.76	x 2"	5/600	0.08	57-042	
56-043	3.09	x 2-1/2"	5/400	0.11	57-043	
56-044	3.47	x 3"	5/400	0.13	57-044	
56-045	4.47	x 3-1/2"	5/400	0.16	57-045	
56-046	4.47	x 4"	5/300	0.19	57-046	
56-047	4.71	x 4-1/2"	5/300	0.21	57-047	
56-048	6.11	x 5"	5/300	0.24	57-048	
56-049	6.60	x 5-1/2"	5/200	0.27	57-049	
56-050	6.94	x 6"	5/200	0.29	57-050	
56-051	7.36	x 7"	5/200	0.35	57-051	
56-052	7.68	x 8"	5/150	0.40	57-052	
56-053	9.28	x 9"	5/150	0.45	57-053	
56-054	9.56	x 10"	5/100	0.51	57-054	
56-055	9.74	x 11"	5/100	0.56	57-055	
56-056	10.20	x 12"	5/100	0.62	57-056	
56-430	24.89	x 18"	5/100	0.71	57-430	
		x 24"			57-431	
		x 36"			57-433	

1/2" DIAMETER

Part # Galv	List Price	Length	Box/Case	Approx. Wt. Lbs.	Part # Black	
56-060	1.40	X Close (1-1/8")	5/600	0.08	57-060	
56-061	1.58	x 1-1/2"	5/600	0.08	57-061	
56-062	1.74	x 2"	5/600	0.12	57-062	
56-063	1.83	x 2-1/2"	5/400	0.15	57-063	
56-064	1.97	x 3"	5/400	0.19	57-064	
56-065	2.19	x 3-1/2"	5/300	0.23	57-065	
56-066	2.42	x 4"	5/300	0.27	57-066	
56-067	2.70	x 4-1/2"	5/200	0.30	57-067	
56-068	2.92	x 5"	5/200	0.34	57-068	
56-069	3.10	x 5-1/2"	5/200	0.38	57-069	
56-070	3.30	x 6"	5/200	0.42	57-070	
56-071	5.29	x 7"	5/100	0.49	57-071	
56-072	5.78	x 8"	5/100	0.57	57-072	
56-073	6.73	x 9"	5/100	0.65	57-073	
56-074	6.88	x 10"	5/75	0.72	57-074	
56-075	7.42	x 11"	5/75	0.80	57-075	
56-076	7.83	x 12"	5/75	0.87	57-076	
56-240	13.44	x 18"	1/3	1.29	57-240	
56-241	21.08	x 24"	1/3	1.74	57-241	
56-242	22.72	x 30"	1/3	2.16	57-242	
56-243	29.48	x 36"	1/3	2.61	57-243	
56-244	64.96	x 42"	1/3	3.03	57-244	
56-245	33.92	x 48"	1/3	3.48	57-245	
56-246	43.21	x 60"	1/3	4.35	57-246	
56-247	65.65	x 72"	1/3	5.22	57-247	

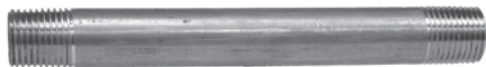
STEEL NIPPLES**BLACK & GALVANIZED SCH 40****3/4" DIAMETER**

Part # Galv	List Price	Length	Box/Case	Approx. Wt. Lbs.	Part # Black	List Price
56-080	1.87	X Close (1-3/8")	5/400	0.13	57-080	
56-081	1.97	x 1-1/2"	5/400	0.10	57-081	
56-082	2.12	x 2"	5/300	0.15	57-082	
56-083	2.29	x 2-1/2"	5/300	0.20	57-083	
56-084	2.52	x 3"	5/200	0.24	57-084	
56-085	2.78	x 3-1/2"	5/200	0.29	57-085	—
56-086	3.05	x 4"	5/150	0.34	57-086	—
56-087	3.33	x 4-1/2"	5/150	0.39	57-087	—
56-088	3.85	x 5"	5/100	0.43	57-088	—
56-089	4.40	x 5-1/2"	5/100	0.48	57-089	—
56-090	4.28	x 6"	5/100	0.53	57-090	—
56-091	7.25	x 7"	5/75	0.63	57-091	—
56-092	7.51	x 8"	5/75	0.72	57-092	—
56-093	8.19	x 9"	5/75	0.82	57-093	—
56-094	8.23	x 10"	5/50	0.91	57-094	—
56-095	9.57	x 11"	5/50	1.01	57-095	—
56-096	9.21	x 12"	5/50	1.10	57-096	—
56-250	15.02	x 18"	1/3	1.63	57-250	—
56-251	19.30	x 24"	1/3	2.20	57-251	—
56-252	23.04	x 30"	1/3	2.73	57-252	—
56-253	27.11	x 36"	1/3	3.30	57-253	—
56-254	69.72	x 42"	1/3	3.83	57-254	—
56-255	40.68	x 48"	1/3	4.40	57-255	—
56-256	46.04	x 60"	1/3	5.50	57-256	—
56-257	54.75	x 72"	1/3	6.60	57-257	—

NIPPLES & FITTINGS

1" DIAMETER


Part # Galv	List Price	Length	Box/Case	Approx. Wt. Lbs.	Part # Black	List Price
56-100	2.75	X Close (1-1/2")	5/300	0.16	57-100	
56-101	2.89	x 2"	5/200	0.23	57-101	
56-102	3.15	x 2-1/2"	5/200	0.29	57-102	
56-103	3.47	x 3"	5/150	0.36	57-103	
56-104	4.17	x 3-1/2"	5/150	0.43	57-104	
56-105	4.75	x 4"	5/100	0.50	57-105	
56-106	4.74	x 4-1/2"	5/100	0.56	57-106	
56-107	4.97	x 5"	5/100	0.63	57-107	
56-108	5.54	x 5-1/2"	5/75	0.70	57-108	
56-109	5.69	x 6"	5/75	0.77	57-109	
56-110	8.53	x 7"	5/50	0.90	57-110	
56-111	9.31	x 8"	5/50	1.03	57-111	
56-112	17.43	x 9"	5/50	1.17	57-112	
56-113	17.97	x 10"	5/50	1.30	57-113	
56-114	21.97	x 11"	5/50	1.44	57-114	
56-115	21.97	x 12"	5/50	1.57	57-115	
56-260	27.33	x 18"	1/3	2.34	57-260	
56-261	33.06	x 24"	1/3	3.14	57-261	
56-262	55.31	x 30"	1/3	3.91	57-262	
56-263	48.28	x 36"	1/3	4.71	57-263	
56-264	88.87	x 42"	1/3	5.48	57-264	
56-265	70.27	x 48"	1/3	6.28	57-265	
56-266	84.30	x 60"	1/3	7.85	57-266	
56-267	93.67	x 72"	1/3	9.42	57-267	

STEEL NIPPLES**BLACK & GALVANIZED SCH 40****1-1/4" DIAMETER**

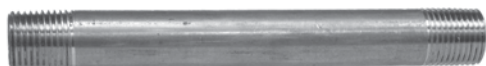
Part # Galv	List Price	Length	Box/Case	Approx. Wt. Lbs.	Part # Black	
56-120	3.70	X Close (1-5/8")	5/150	0.25	57-120	
56-121	3.84	x 2"	5/150	0.32	57-121	
56-122	4.18	x 2-1/2"	5/150	0.41	57-122	
56-123	4.58	x 3"	5/100	0.50	57-123	
56-124	5.25	x 3-1/2"	5/100	0.60	57-124	
56-125	6.05	x 4"	5/100	0.69	57-125	—
56-126	6.72	x 4-1/2"	5/75	0.78	57-126	—
56-127	6.47	x 5"	5/75	0.87	57-127	—
56-128	7.13	x 5-1/2"	5/75	0.96	57-128	—
56-129	7.32	x 6"	5/50	1.06	57-129	—
56-130	14.19	x 7"	5/50	1.24	57-130	—
56-131	12.30	x 8"	5/50	1.42	57-131	—
56-132	19.17	x 9"	5/50	1.61	57-132	—
56-133	19.76	x 10"	5/40	1.79	57-133	—
56-134	19.98	x 11"	5/40	1.97	57-134	—
56-135	24.89	x 12"	5/30	2.16	57-135	—
56-270	32.78	x 18"	1/3	3.22	57-270	—
56-271	42.67	x 24"	1/3	4.32	57-271	—
56-272	49.77	x 30"	1/3	3.22	57-272	—
56-273	64.13	x 36"	1/3	6.48	57-273	—
		x 42"	1/3	7.54	57-274	—
		x 48"	1/3	8.64	57-275	—
		x 60"	1/3	10.80	57-276	—
		x 72"	1/3	12.96	57-277	—

**NIPPLES &
FITTINGS**

1-1/2" DIAMETER


Part # Galv	List Price	Length	Box/Case	Approx. Wt. Lbs.	Part # Black	
56-140	4.62	X Close (1-3/4")	5/100	0.31	57-140	
56-141	4.86	x 2"	5/75	0.37	57-141	
56-142	5.10	x 2-1/2"	5/75	0.47	57-142	
56-143	5.59	x 3"	5/50	0.58	57-143	
56-144	6.10	x 3-1/2"	5/50	0.68	57-144	
56-145	6.66	x 4"	5/50	0.78	57-145	
56-146	7.49	x 4-1/2"	5/50	0.89	57-146	
56-147	7.73	x 5"	5/50	1.10	57-147	
56-148	8.63	x 5-1/2"	5/50	1.10	57-148	
56-149	8.77	x 6"	5/50	1.20	57-149	
56-150	13.19	x 7"	5/40	1.41	57-150	
56-151	14.45	x 8"	5/40	1.62	57-151	
56-152	18.90	x 9"	5/30	1.83	57-152	
56-153	18.02	x 10"	5/30	2.04	57-153	
56-154	23.43	x 11"	5/20	2.25	57-154	
56-155	23.25	x 12"	5/20	2.46	57-155	
56-280	35.13	x 18"	1/3	3.66	57-280	
56-281	50.72	x 24"	1/3	4.92	57-281	
		x 30"	1/3	6.12	57-282	
		x 36"	1/3	7.38	57-283	
		x 42"	1/3	8.58	57-284	
		x 48"	1/3	9.84	57-285	
		x 60"	1/3	12.30	57-286	
		x 72"	1/3	14.76	57-287	

2" DIAMETER



Part # Galv	List Price	Length	Box/Case	Approx. Wt. Lbs.	Part # Black	
56-160	6.30	X Close (2")	5/75	0.55	57-160	
56-161	7.27	x 2-1/2"	5/50	0.70	57-161	
56-162	7.54	x 3"	5/50	0.86	57-162	
56-163	8.51	x 3-1/2"	5/50	1.01	57-163	
56-164	9.84	x 4"	5/25	1.16	57-164	
56-165	10.20	x 4-1/2"	5/25	1.31	57-165	
56-166	11.71	x 5"	5/25	1.47	57-166	
56-167	11.21	x 5-1/2"	5/25	1.62	57-167	
56-168	12.34	x 6"	5/25	1.77	57-168	
56-169	18.72	x 7"	5/20	2.08	57-169	
56-170	19.20	x 8"	5/20	2.39	57-170	
56-171	33.01	x 9"	5/20	2.70	57-171	
56-172	22.50	x 10"	5/15	3.00	57-172	
56-173	25.76	x 11"	5/15	3.31	57-173	
56-174	28.83	x 12"	5/15	3.62	57-174	
56-290	41.66	x 18"	1/3	5.39	57-290	
56-291	54.25	x 24"	1/3	5.26	57-291	
56-292	83.84	x 30"	1/3	7.03	57-292	
56-293	88.20	x 36"	1/3	10.86	57-293	
56-294	153.23	x 42"	1/3	12.63	57-294	
56-295	116.59	x 48"	1/3	14.48	57-295	
56-296	149.37	x 60"	1/3	18.10	57-296	
56-297	192.10	x 72"	1/3	18.10	57-297	

2-1/2" DIAMETER



Part # Galv	List Price	Length	Box/Case	Approx. Wt. Lbs.	Part # Black	
56-180	18.42	X Close (2-1/2")	5/40	1.09	57-180	
56-181	18.96	x 3"	5/40	1.33	57-181	
56-182	23.93	x 3-1/2"	5/30	1.57	57-182	
56-183	20.87	x 4"	5/30	1.82	57-183	
56-184	23.54	x 4-1/2"	5/30	2.06	57-184	
56-185	23.25	x 5"	5/20	2.30	57-185	
56-186	26.00	x 5-1/2"	5/20	2.54	57-186	
56-187	25.54	x 6"	5/20	2.78	57-187	
56-188	32.40	x 7"	5/20	3.27	57-188	
56-189	40.77	x 8"	5/10	3.75	57-189	
56-190	38.93	x 9"	5/10	4.24	57-190	
56-191	40.06	x 10"	5/10	4.72	57-191	
56-192	42.29	x 11"	5/10	5.21	57-192	
56-193	42.45	x 12"	5/10	5.69	57-193	

3" DIAMETER


Part # Galv	List Price	Length	Box/Case	Approx. Wt. Lbs.	Part # Black	
56-200	22.49	X Close (2-5/8")	5/30	1.52	57-200	
56-201	23.70	x 3"	5/15	1.76	57-201	
56-202	26.09	x 3-1/2"	5/15	2.08	57-202	
56-203	26.66	x 4"	5/15	2.39	57-203	
56-204	32.13	x 4-1/2"	5/15	2.71	57-204	
56-205	32.95	x 5"	5/15	3.03	57-205	-
56-206	35.85	x 5-1/2"	5/15	3.35	57-206	-
56-207	34.70	x 6"	5/10	3.66	57-207	-
56-208	42.60	x 7"	5/7	4.30	57-208	-
56-209	43.03	x 8"	5/7	4.93	57-209	-
56-210	48.33	x 9"	5/7	5.57	57-210	-
56-211	51.79	x 10"	5/5	6.20	57-211	-
56-212	52.53	x 11"	1/3	7.20	57-212	-
56-213	68.90	x 12"	1/3	7.47	57-213	-
		x 24"	1/3	14.94	57-311	-

4" DIAMETER


Part # Galv	List Price	Length	Box/Case	Approx. Wt. Lbs.	Part # Black	
56-220	32.15	X Close (2-7/8")	5/20	2.40	57-220	
56-221	33.00	3-1/2"	5/20			
56-223	35.36	x 4"	5/10	3.41	57-223	
56-224	44.82	x 4-1/2"	5/10	3.86	57-224	
56-225	44.48	x 5"	5/10	4.31	57-225	
56-226	59.27	x 5-1/2"	5/10	4.76	57-226	-
56-227	47.96	x 6"	5/10	5.21	57-227	-
56-330	81.96	x 7"	5/10	6.48	57-330	-
56-229	79.58	x 8"	5/10	7.01	57-229	-
56-331	82.34	x 9"	5/10	7.54	57-331	-
56-332	96.59	x 10"	5/10	8.14	57-332	-
56-228	96.06	x 12"	5/10	8.54	57-228	-

6" DIAMETER


Part # Galv	List Price	6" Dia.	Box/Case	Approx. Wt. Lbs.	Part # Black	List Price
56-300	198.85	Close (3-1/8")	1/5	4.94	57-300	
		x 6"	1/5	16.45	57-301	

BLACK STEEL TOE NIPPLE

Toe nipples are only threaded on one end to allow for easy connections, unthreaded end allows for welding a permanent leak-resistenteant bond.

- Roller cut • Minimum Quantity may apply
- Reamed and Chamfer or Saw Cut available upon request.



Part #	Size	Box/Case	Approx. Wt. Lbs.	
57-021T	1/4" x 1-1/2"	1/1	0.06	
57-022T	1/4" x 2"	1/1	0.06	
57-041T	3/8" x 1-1/2"	1/1	0.07	
57-042T	3/8" x 2"	1/1	0.08	
57-061T	1/2" x 1-1/2"	1/1	0.08	
57-062T	1/2" x 2"	1/1	0.12	
57-081T	3/4" x 1-1/2"	1/1	0.10	
57-082T	3/4" x 2"	1/1	0.15	
57-101T	1" x 2"	1/1	0.23	
57-102T	1" x 2-1/2"	1/1	0.29	
57-121T	1-1/4" x 2"	1/1	0.32	
57-122T	1-1/4" x 2-1/2"	1/1	0.41	
57-141T	1-1/2" x 2"	1/1	0.37	
57-142T	1-1/2" x 2-1/2"	1/1	0.47	
57-160T	2" x 2"	1/1	0.55	
57-161T	2" x 2-1/2"	1/1	0.70	
57-181T*	2-1/2" x 3"	1/1	1.33	
57-201T*	3" x 3"	1/1	1.76	
57-223T*	4" x 4"	1/1	3.41	

* Saw Cut

Product Specifications

Welded steel couplings both galvanized and black in diameters from 1/8" up to 4".

See page 298 for
API Line Couplings

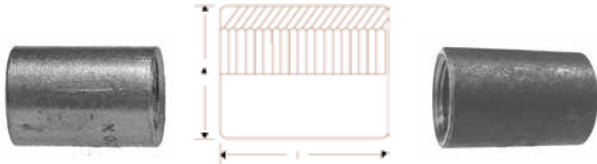
Technical Specifications

Standards: Product complies with ASTM A865 and ANSI B1.20.1 for threading, dimensions and pipe specifications. Federal Spec WW-P-404

Pipe: Complies with ASTM A-53 milltested schedule 40 and 80. Meets ANSI B36.1. All pipe is hydrostatic tested.

Galvanized: Zinc coating applied by hot dipping. Galvanized complying with ASTM-A-123.

MERCHANT COUPLINGS



• Straight threads thru 2"

Part # Galv	List Price	Size	Part # Black	
64-770	3.51	1/8"	65-770	
64-771	4.53	1/4"	65-771	
64-772	4.14	3/8"	65-772	
64-773	3.62	1/2"	65-773	
64-774	5.14	3/4"	65-774	
64-775	8.25	1"	65-775	
64-776	9.81	1-1/4"	65-776	
64-777	12.52	1-1/2"	65-777	
64-778	20.52	2"	65-778	
64-779	43.72	2-1/2"	65-779	
64-780	87.46	3"	65-780	
		3-1/2"	65-782	
64-781	116.65	4"	65-781	
		5"	65-783	
		6"	65-784	

HALF MERCHANT COUPLINGS



• Straight threads thru 2"

Part # Galv	List Price	Size	Part # Black	
		1/4"	65-771H	
		3/8"	65-772H	
64-773H	2.86	1/2"	65-773H	
64-774H	3.88	3/4"	65-774H	
64-775H	7.84	1"	65-775H	
64-776H	6.94	1-1/4"	65-776H	
64-777H	9.88	1-1/2"	65-777H	
64-778H	17.35	2"	65-778H	
		2-1/2"	65-779H	
64-780H	19.00	3"	65-780H	
64-781H	35.00	4"	65-781H	

Also available:
L&R Merchant Coupling
Extra Heavy Merchant Couplings

MERCHANT COUPLINGS SPECIFICATIONS

Size	Outside Diam.	Length	Weight 100 pcs approx.	Quantity per box	Threads per Inch	Threads
		Inches	Pounds			Type
1/8"	.59"	.78	3.5	1000	27	Straight
1/4"	.73"	1.18	7.5	500	18	Straight
3/8"	.86"	1.18"	9	600	18	Straight
1/2"	1.063"	1-9/16"	13.0	100	14	Straight
3/4"	1.313"	1-5/8"	28.3	50	14	Straight
1"	1.576"	2"	40.1	30	11-1/2	Straight
1-1/4"	1.900"	2-1/16"	49.5	25	11-1/2	Straight
1-1/2"	2.200"	2-1/16"	71.48	25	11-1/2	Straight
2"	2.750"	2-1/8"	112.0	20	11-1/2	Straight
2-1/2"	3.250"	3-1/8"	231.2	8	8	Taper Tapped
3"	4.000"	3-1/4"	353.8	5	8	Taper Tapped
4"	5.000"	3-1/2"	471.8	4	8	Taper Tapped


B "6" ASSORTMENTS

Black		LENGTH											Wt. Lbs.	Total Pieces	
		Close	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	4-1/2"	5"	5-1/2"	6"			
973-567	1/2"	6	6	6	6	6	6	6	6	6	6	6	20	66	
973-568	3/4"	6	6	6	6	6	6	6	6	6	6	6	27	66	
973-569	1"	6		6	6	6	6	6	6	6	6	6	34	60	

Galv.		LENGTH											Wt. Lbs.	Total Pieces	
		Close	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	4-1/2"	5"	5-1/2"	6"			
973-667	1/2"	6	6	6	6	6	6	6	6	6	6	6	20	66	
973-668	3/4"	6	6	6	6	6	6	6	6	6	6	6	27	66	
973-669	1"	6		6	6	6	6	6	6	6	6	6	34	60	

STEEL TOTE TRAYS


Part #	Size	Capacity	
990-781	1/2"	77pcs	
990-782	3/4"	66pcs	
990-783	1"	50pcs	
990-786	1-1/4"	40pcs	
990-784	1-1/2"	30pcs	
990-785	2"	27pcs	

STANDARDS & SPECIFICATIONS

- DIMENSIONAL: ASTM A733
- MATERIAL: ASTM A53 Type F or Type E
- GALVANIZING: Hot dip galvanizing
- THREADING: ASME B 1.20.1

1/8" SCHEDULE 80 EXTRA HEAVY NIPPLES

Galvanized
Black

Part #		Length	Box/Case	Approx. Wt. Lbs.	Part #	
58-001		Close (3/4")	25/600	0.02	59-001	
58-002		1-1/2"	25/600	0.04	59-002	
58-003		2"	25/600	0.05	59-003	
58-004		2-1/2"	25/600	0.07	59-004	
58-005		3"	25/600	0.08	59-005	-
58-006		3-1/2"	25/600	0.09	59-006	-
58-007		4"	25/600	0.11	59-007	-
58-008		4-1/2"	25/400	0.12	59-008	-
58-009		5"	25/400	0.13	59-009	-
58-010		5-1/2"	25/400	0.14	59-010	-
58-011		6"	25/400	0.16	59-011	-
		7"	25/200	0.18	59-012	-
		8"	25/200	0.21	59-013	-
		9"	25/200	0.24	59-014	-
		10"	25/150	0.26	59-015	-
		11"	25/150	0.29	59-016	-
		12"	25/150	0.32	59-017	-

1/4" SCHEDULE 80 EXTRA HEAVY NIPPLES

Galvanized
Black

Part #	List Price	Length	Box/Case	Approx. Wt. Lbs.	Part #	
58-020	6.58	Close (3/4")	25/600	0.04	59-020	
58-021	7.57	1-1/2"	25/600	0.07	59-021	
58-022	40.98	2"	25/600	0.09	59-022	
58-023	9.86	2-1/2"	25/600	0.11	59-023	
58-024	9.91	3"	25/600	0.13	59-024	-
58-025	8.51	3-1/2"	25/400	0.16	59-025	-
58-026	11.48	4"	25/400	0.18	59-026	-
58-027	13.46	4-1/2"	25/400	0.20	59-027	-
58-028	16.75	5"	25/300	0.22	59-028	-
58-029	18.88	5-1/2"	25/300	0.25	59-029	-
58-030	18.36	6"	25/300	0.27	59-030	-
		7"	25/200	0.31	59-031	-
		8"	25/200	0.36	59-032	-
		9"	25/200	0.40	59-033	-
		10"	25/150	0.45	59-034	-
		11"	25/150	0.49	59-035	-
		12"	25/150	0.54	59-036	-

STEEL NIPPLES**BLACK & GALVANIZED SCHEDULE 80****3/8" DIAMETER SCHEDULE 80 EXTRA HEAVY NIPPLES**

Galvanized					Black	
Part #		Length	Box/Case	Approx. Wt. Lbs.	Part #	
58-040		Close (1")	25/600	0.06	59-040	
58-041		1-1/2"	25/600	0.09	59-041	
58-042		2"	25/600	0.12	59-042	
58-043		2-1/2"	25/400	0.15	59-043	
58-044		3"	25/400	0.18	59-044	-
58-045		3-1/2"	25/400	0.22	59-045	-
58-046		4"	25/300	0.25	59-046	-
58-047		4-1/2"	25/300	0.28	59-047	-
58-048		5"	25/300	0.31	59-048	-
58-049		5-1/2"	25/200	0.34	59-049	-
58-050		6"	25/200	0.37	59-050	-
		7"	25/200	0.43	59-051	-
		8"	25/150	0.49	59-052	-
		9"	25/150	0.55	59-053	-
		10"	25/100	0.62	59-054	-
		11"	25/100	0.68	59-055	-
		12"	25/100	0.74	59-056	-

1/2" DIAMETER SCHEDULE 80 EXTRA HEAVY NIPPLES

Galvanized					Black	
Part #		Length	Box/Case	Approx. Wt. Lbs.	Part #	
58-060		Close (1-1/8")	25/600	0.10	59-060	
58-061		1-1/2"	25/600	0.14	59-061	
58-062		2"	25/600	0.18	59-062	
58-063		2-1/2"	25/400	0.23	59-063	
58-064		3"	25/400	0.27	59-064	-
58-065		3-1/2"	25/300	0.32	59-065	-
58-066		4"	25/300	0.36	59-066	-
58-067		4-1/2"	25/200	0.41	59-067	-
58-068		5"	25/200	0.45	59-068	-
58-069		5-1/2"	25/200	0.59	59-069	-
58-070		6"	25/200	0.54	59-070	-
		7"	25/100	0.64	59-071	-
		8"	25/100	0.73	59-072	-
		9"	25/100	0.82	59-073	-
		10"	25/75	0.91	59-074	-
		11"	25/75	1.00	59-075	-
		12"	25/75	1.09	59-076	-

3/4" DIAMETER SCHEDULE 80 EXTRA HEAVY NIPPLES

Galvanized
Black

Part #		Length	Box/Case	Approx. Wt. Lbs.	Part #	
58-080		Close (1-3/8")	25/400	0.17	59-080	
58-081		1-1/2"	25/400	0.19	59-081	
58-082		2"	25/300	0.25	59-082	
58-083		2-1/2"	25/300	0.31	59-083	
58-084		3"	25/200	0.37	59-084	-
58-085		3-1/2"	25/200	0.42	59-085	-
58-086		4"	25/150	0.49	59-086	-
58-087		4-1/2"	25/150	0.55	59-087	-
58-088		5"	25/100	0.62	59-088	-
58-089		5-1/2"	25/100	0.68	59-089	-
58-090		6"	25/100	0.74	59-090	-
		7"	25/75	0.86	59-091	-
		8"	25/75	0.99	59-092	-
		9"	25/75	1.11	59-093	-
		10"	25/50	1.23	59-094	-
		11"	25/50	1.36	59-095	-

1" DIAMETER SCHEDULE 80 EXTRA HEAVY NIPPLES

Galvanized
Black

Part #		Length	Box/Case	Approx. Wt. Lbs.	Part #	
58-100		Close (1-1/2")	25/300	0.27	59-100	
58-101		2"	25/200	0.36	59-101	
58-102		2-1/2"	25/200	0.45	59-102	
58-103		3"	25/150	0.54	59-103	
58-104		3-1/2"	25/150	0.64	59-104	-
58-105		4"	25/100	0.73	59-105	-
58-106		4-1/2"	25/100	0.82	59-106	-
58-107		5"	25/100	0.91	59-107	-
58-108		5-1/2"	25/75	1.00	59-108	-
58-109		6"	25/75	1.09	59-109	-
		7"	25/50	1.27	59-110	-
		8"	25/50	1.45	59-111	-
		9"	25/50	1.63	59-112	-
		10"	25/50	1.81	59-113	-
		11"	25/50	2.00	59-114	-

STEEL NIPPLES**BLACK & GALVANIZED SCHEDULE 80****1-1/4" DIAMETER SCHEDULE 80 EXTRA HEAVY NIPPLES**

Galvanized					Black	
Part #		Length	Box/Case	Approx. Wt. Lbs.	Part #	
58-120		Close (1-5/8")	25/150	0.41	59-120	
58-121		2"	25/150	0.50	59-121	
58-122		2-1/2"	25/150	0.63	59-122	
58-123		3"	25/100	0.75	59-123	
58-124		3-1/2"	25/100	0.88	59-124	-
58-125		4"	25/100	1.00	59-125	-
58-126		4-1/2"	25/75	1.13	59-126	-
58-127		5"	25/75	1.25	59-127	-
58-128		5-1/2"	25/75	1.38	59-128	-
58-129		6"	25/50	1.50	59-129	-
		7"	25/50	1.75	59-130	-
58-131		8"	25/50	2.00	59-131	-
		9"	25/50	2.25	59-132	-
		10"	20/40	2.50	59-133	-
		11"	20/40	2.75	59-134	-
		12"	15/30	3.00	59-135	-

1-1/2" DIAMETER SCHEDULE 80 EXTRA HEAVY NIPPLES

Galvanized					Black	
Part #		Length	Box/Case	Approx. Wt. Lbs.	Part #	
58-140		Close (1-3/4")	25/100	0.53	59-140	
58-141		2"	25/75	0.61	59-141	
58-142		2-1/2"	25/75	0.76	59-142	
58-143		3"	25/50	0.91	59-143	
58-144		3-1/2"	25/50	1.06	59-144	-
58-145		4"	25/50	1.21	59-145	-
58-146		4-1/2"	25/50	1.36	59-146	-
58-147		5"	25/50	1.51	59-147	-
58-148		5-1/2"	25/50	1.73	59-148	-
58-149		6"	25/50	1.82	59-149	-
		7"	20/40	2.12	59-150	-
		8"	20/40	2.42	59-151	-
		9"	15/30	2.73	59-152	-
		10"	15/30	3.03	59-153	-
		11"	1/20	3.33	59-154	-
58-155		12"	1/20	3.64	59-155	-

2" DIAMETER SCHEDULE 80 EXTRA HEAVY NIPPLES**Galvanized****Black**

Part #	Length	Box/Case	Approx. Wt. Lbs.	Part #	
58-160	Close (2")	25/75	0.84	59-160	
58-161	2-1/2"	25/50	1.05	59-161	
58-162	3"	25/50	1.26	59-162	
58-163	3-1/2"	20/40	1.47	59-163	
58-164	4"	20/40	1.68	59-164	---
58-165	4-1/2"	20/40	1.88	59-165	---
58-166	5"	20/40	2.09	59-166	---
58-167	5-1/2"	15/30	2.30	59-167	---
58-168	6"	15/30	2.51	59-168	---
	7"	1/20	2.93	59-169	---
	8"	1/20	3.35	59-170	---
	9"	1/20	3.77	59-171	---
58-172	10"	1/20	4.19	59-172	---
	11"	1/15	4.61	59-173	---
	12"	1/15	5.03	59-174	---

2-1/2" DIAMETER SCHEDULE 80 EXTRA HEAVY NIPPLES - BLACK

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-180	Close (2-1/2")	20/40	1.28	
59-181	3"	20/40	1.92	
59-182	3-1/2"	15/30	2.24	
59-183	4"	15/30	2.55	
59-184	4-1/2"	15/30	2.88	
59-185	5"	1/20	3.19	
59-186	5-1/2"	1/20	3.51	
59-187	6"	1/20	3.83	

3" DIAMETER SCHEDULE 80 EXTRA HEAVY NIPPLES - BLACK

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-200	Close (2-5/8")	15/30	2.15	
59-201	3"	1/20	2.57	
59-202	3-1/2"	1/15	2.99	
59-203	4"	1/15	3.42	
59-204	4-1/2"	1/15	3.85	
59-205	5"	1/15	4.28	
59-206	5-1/2"	1/15	4.70	
59-207	6"	1/10	5.13	
59-213	12"			

4" DIAMETER SCHEDULE 80 EXTRA HEAVY NIPPLES - BLACK

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-220	Close (2-7/8")	1/20	2.50	
59-221	4"	1/10	5.00	
59-222	4-1/2"	1/8	5.62	
59-223	5"	1/8	6.25	
59-224	5-1/2"	1/8	6.87	
59-225	6"	1/8	7.50	
59-227	8"			

EXTRA HEAVY SEAMLESS STEEL PIPE NIPPLES

- ASTM A106 Grade B Seamless Pipe
- ASTM A 53/ API 5L
- WWN 351
- Standard NPT Tapered Pipe Threads as per ANSI B 1.20.1 Specification
- Hydrostatic Test (2500 PSI)

1/8" DIAMETER BLACK EXTRA HEAVY SCH. 80 SEAMLESS



Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-001SMLS	1/8" x Close	25/600	0.02	
59-003SMLS	1/8" x 2"	25/600	0.05	
59-005SMLS	1/8" x 3"	25/600	0.08	
59-007SMLS	1/8" x 4"	25/600	0.11	
59-011SMLS	1/8" x 6"	25/400	0.16	

1/4" DIAMETER BLACK EXTRA HEAVY SCH. 80 SEAMLESS

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-020SMLS	x Close (7/8")	40 / 480	0.03	
59-021SMLS	x 1-1/2"	100 / 400	0.06	
59-022SMLS	x 2"	100 / 400	0.08	
59-023SMLS	x 2-1/2"	80 / 320	0.10	
59-024SMLS	x 3"	40 / 240	0.12	
59-025SMLS	x 3-1/2"	40 / 240	0.15	
59-026SMLS	x 4"	40 / 240	0.17	
59-027SMLS	x 4-1/2"	40 / 120	0.19	
59-028SMLS	x 5"	40 / 120	0.21	
59-029SMLS	x 5-1/2"	40 / 80	0.24	
59-030SMLS	x 6"	40 / 80	0.26	
59-031SMLS	x 7"	40 / 80	0.30	
59-032SMLS	x 8"	40 / 80	0.35	
59-033SMLS	x 9"	40 / 80	0.39	
59-034SMLS	x 10"	40 / 80	0.44	
59-036SMLS	x 12"	40 / 80	0.53	

3/8" DIAMETER BLACK EXTRA HEAVY SCH. 80 SEAMLESS

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-040SMLS	X Close (3/8")	40 / 480	0.05	
59-041SMLS	x 1-1/2"	100 / 400	0.08	
59-042SMLS	x 2"	100 / 400	0.11	
59-043SMLS	x 2-1/2"	80 / 320	0.14	
59-044SMLS	x 3"	40 / 240	0.17	
59-045SMLS	x 3-1/2"	40 / 240	0.20	
59-046SMLS	x 4"	40 / 240	0.23	
59-047SMLS	x 4-1/2"	40 / 160	0.26	
59-048SMLS	x 5"	40 / 120	0.29	
59-049SMLS	x 5-1/2"	40 / 120	0.32	
59-050SMLS	x 6"	40 / 80	0.35	
59-054SMLS	x 3/8" x 10"	40/80	0.53	
59-056SMLS	x 12"	40/80	0.65	

1/2" DIAMETER BLACK EXTRA HEAVY SCH. 80 SEAMLESS

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-060SMLS	X Close (1-1/8")	40 / 480	0.07	
59-061SMLS	x 1-1/2"	100 / 400	0.11	
59-062SMLS	x 2"	100 / 400	0.15	

1/2" DIAMETER BLACK EXTRA HEAVY SCH. 80 SEAMLESS (CONTINUED)

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-063SMLS	1/2" x 2-1/2"	80 / 320	0.20	
59-064SMLS	x 3"	40 / 240	0.24	
59-065SMLS	1/2" x 3-1/2"	40 / 240	0.29	
59-066SMLS	x 4"	40 / 240	0.33	
59-066SMLS	x 4"	40 / 240	0.33	
59-067SMLS	1/2" x 4-1/2"	40 / 160	0.38	
59-068SMLS	x 5"	40 / 120	0.42	
59-069SMLS	1/2" x 5-1/2"	40 / 120	0.47	
59-070SMLS	x 6"	40 / 80	0.51	
59-071SMLS	1/2" x 7"	40 / 80	0.60	
59-072SMLS	x 8"	40 / 80	0.69	
59-073SMLS	x 9"	40/80	0.73	
59-074SMLS	x 10"	40 / 80	0.88	
59-075SMLS	x 11"	32/64	0.96	
59-076SMLS	x 12"	32 / 64	1.06	

3/4" DIAMETER BLACK EXTRA HEAVY SCH. 80 SEAMLESS

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-080SMLS	X Close (1-3/8")	40/240	0.13	
59-081SMLS	3/4" x 1-1/2"	100/200	0.15	
59-082SMLS	x 2"	100/200	0.21	
59-083SMLS	3/4" x 2-1/2"	40/160	0.27	
59-084SMLS	x 3"	40/160	0.33	
59-085SMLS	3/4" x 3-1/2"	40/120	0.39	
59-086SMLS	x 4"	40/120	0.45	
59-087SMLS	3/4" x 4-1/2"	40/120	0.51	
59-088SMLS	x 5"	40/120	0.57	
59-089SMLS	3/4" x 5-1/2"	48/96	0.64	
59-090SMLS	x 6"	40/80	0.69	
59-091SMLS	3/4" x 7"	40/80	0.82	
59-092SMLS	x 8"	40/80	0.94	
59-094SMLS	x 10"	32/64	1.19	
59-096SMLS	x 12"	24/48	1.44	

1" DIAMETER BLACK EXTRA HEAVY SCH. 80 SEAMLESS

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-100SMLS	X Close (1-1/2")	40 / 160	0.21	
59-101SMLS	x 2"	40 / 120	0.30	
59-102SMLS	1" x 2-1/2"	40 / 120	0.37	
59-103SMLS	x 3"	40 / 80	0.47	
59-104SMLS	1" x 3-1/2"	40 / 80	0.56	
59-105SMLS	x 4"	40 / 80	0.65	
59-106SMLS	1" x 4-1/2"	40 / 80	0.74	
59-107SMLS	x 5"	40 / 80	0.83	
59-108SMLS	1" x 5-1/2"	40 / 80	0.92	
59-109SMLS	x 6"	32 / 64	1.01	
59-110SMLS	x 7"	20 / 40	1.19	
59-111SMLS	x 8"	20 / 40	1.37	
59-112SMLS	x 9"	20 / 40	1.55	
59-113SMLS	x 10"	12 / 24	1.74	
59-114SMLS	1" x 11"	12 / 24	1.92	
59-115SMLS	x 12"	12 / 24	2.10	

STEEL NIPPLES**BLACK EXTRA HEAVY SCH 80 SEAMLESS****1-1/4" DIAMETER BLACK EXTRA HEAVY SCH. 80 SEAMLESS**

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-120SMLS	X Close (1-5/8")	40 / 80	0.31	
59-121SMLS	x 2"	40 / 80	0.42	
59-122SMLS	1-1/4" x 2-1/2"	40 / 80	0.52	
59-123SMLS	x 3"	40 / 80	0.64	
59-124SMLS	1-1/4" x 3-1/2"	24 / 48	0.77	
59-125SMLS	x 4"	24 / 48	0.90	
59-126SMLS	1-1/4" x 4-1/2"	24 / 48	1.02	
59-127SMLS	x 5"	20 / 40	1.15	
59-128SMLS	1-1/4" x 5-1/2"	20 / 40	1.27	
59-129SMLS	x 6"	20 / 40	1.40	
59-130SMLS	1-1/4" x 7"	20 / 40	1.65	
59-131SMLS	x 8" x 9"	12 / 24	1.90	
59-132SMLS	1-1/4" x 9"	12 / 24	2.15	
59-133SMLS	x 10"	12 / 24	2.40	
59-134SMLS	1-1/4" x 11"	8 / 16	2.65	
59-135SMLS	x 12"	8 / 16	2.90	

1-1/2" DIAMETER BLACK EXTRA HEAVY SCH. 80 SEAMLESS

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-140SMLS	X Close (1-3/4")	40 / 80	0.41	
59-141SMLS	x 2"	32 / 64	0.51	
59-142SMLS	x 2-1/2"	32 / 64	0.64	
59-143SMLS	x 3"	32 / 64	0.78	
59-144SMLS	x 3-1/2"	20 / 40	0.94	
59-145SMLS	x 4"	20 / 40	1.09	
59-146SMLS	x 4-1/2"	20 / 40	1.23	
59-147SMLS	x 5"	20 / 40	1.39	
59-148SMLS	x 5-1/2"	16 / 32	1.54	
59-149SMLS	x 6"	12 / 24	1.69	
59-150SMLS	x 7"	12 / 24	2.00	
59-151SMLS	x 8"	12 / 24	2.30	
59-152SMLS	x 9"	12 / 24	2.61	
59-153SMLS	x 10"	8 / 16	2.90	
59-154SMLS	x 11"	8 / 16	3.20	
59-155SMLS	x 12"	8 / 16	3.51	

2" DIAMETER BLACK EXTRA HEAVY SCH. 80 SEAMLESS

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-160SMLS	X Close (2")	1 / 50	1.36	
59-161SMLS	x 2-1/2"	20 / 40	0.90	
59-162SMLS	x 3"	20 / 40	1.10	
59-163SMLS	x 3-1/2"	12 / 24	1.31	
59-164SMLS	x 4"	12 / 24	1.52	
59-165SMLS	x 4-1/2"	12 / 24	1.72	
59-166SMLS	x 5"	12 / 24	1.94	
59-167SMLS	x 5-1/2"	12 / 24	2.15	
59-168SMLS	x 6"	8 / 16	2.35	
59-169SMLS	x 7"	8 / 16	2.78	
59-170SMLS	x 8"	8 / 16	3.19	
59-171SMLS	x 9"	1 / 8	3.62	
59-172SMLS	x 10"	1 / 8	4.03	
59-173SMLS	x 11"	1 / 8	4.44	
59-174SMLS	x 12"	1 / 8	4.87	

NIPPLES & FITTINGS

2-1/2" DIAMETER BLACK EXTRA HEAVY SCH. 80 SEAMLESS

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-180SMLS	x Close (2-1/2")	1 / 16	1.25	
59-181SMLS	x 3"	1 / 16	1.57	
59-182SMLS	x 3-1/2"	1 / 16	1.82	
59-183SMLS	x 4"	1 / 16	2.15	
59-184SMLS	x 4-1/2"	1 / 16	1.75	
59-185SMLS	x 5"	1 / 16	2.78	
59-186SMLS	x 5-1/2"	1 / 8	2.25	
59-187SMLS	x 6"	1 / 8	3.41	
59-188SMLS	x 7"	1 / 8	3.89	
59-189SMLS	x 8"	1 / 8	4.69	
59-190SMLS	x 9"	1 / 8	5.34	
59-191SMLS	x 10"	1 / 6	5.97	
59-192SMLS	x 11"	1 / 6	4.89	
59-193SMLS	x 12"	1 / 5	7.26	

3" DIAMETER BLACK EXTRA HEAVY SCH. 80 SEAMLESS

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-200SMLS	X Close (2-5/8")	1 / 16	1.79	
59-201SMLS	x 3"	1 / 16	2.11	
59-202SMLS	x 3-1/2"	1 / 16	2.55	
59-203SMLS	x 4"	1 / 8	2.89	
59-204SMLS	x 4-1/2"	1 / 8	3.30	
59-205SMLS	x 5"	1 / 8	3.73	
59-206SMLS	x 5-1/2"	1 / 8	4.17	
59-207SMLS	x 6"	1 / 8	4.57	
59-208SMLS	x 7"	1 / 6	5.45	
59-209SMLS	x 8"	1 / 6	6.29	
59-210SMLS	x 9"	1 / 6	7.17	
59-211SMLS	x 10"	1 / 4	8.01	
59-212SMLS	x 11"	1 / 4	8.85	
59-213SMLS	x 12"	1 / 4	9.72	

4" DIAMETER BLACK EXTRA HEAVY SCH. 80 SEAMLESS

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-220SMLS	X Close (2-7/8")	1 / 8	2.91	
59-221SMLS	x 4"	1 / 6	4.26	
59-223SMLS	x 5"	1 / 5	5.49	
59-225SMLS	x 6"	1 / 5	6.72	
59-226SMLS	x 7"	1/3	7.33	
59-227SMLS	x 8"	1 / 3	9.23	
59-229SMLS	x 10"	1 / 3	11.73	
59-231SMLS	x 12"	1 / 3	14.24	

STEEL NIPPLES**BLACK EXTRA HEAVY SCH 160 SEAMLESS****1/2" DIAMETER BLACK EXTRA HEAVY SCH. 160 SEAMLESS**

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-060SMLSXX	x Close	100 / 200	0.31	
59-062SMLSXX	x 2"	100 / 200	0.58	
59-064SMLSXX	x 3"	50 / 100	0.62	
59-066SMLSXX	x 4"	50 / 100	0.66	
59-070SMLSXX	x 6"	25 / 50	0.75	

3/4" DIAMETER DIAMETER BLACK EXTRA HEAVY SCH. 160 SEAMLESS

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-082SMLSXX	x 2"	50 / 100	0.62	
59-086SMLSXX	x 4"	25 / 50	0.68	
59-090SMLSXX	x 6"	25 / 50	0.71	

1" DIAMETER DIAMETER BLACK EXTRA HEAVY SCH. 160 SEAMLESS

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-100SMLSXX	x close	50 / 100	0.88	
59-101SMLSXX	x 2"	50 / 100	1.07	
59-105SMLSXX	x 4"	20 / 40	1.14	
59-109SMLSXX	x 6"	20 / 40	1.75	
59-111SMLSXX	x 8"	1 / 25	1.88	
59-115SMLSXX	x 12"	1 / 15	2.15	

2" DIAMETER DIAMETER BLACK EXTRA HEAVY SCH. 160 SEAMLESS

Part #	Length	Box/Case	Approx. Wt. Lbs.	
59-160SMLSXX	x close	1 / 25	1.36	
59-161SMLSXX	x 2-1/2"	1 / 20	1.67	
59-162SMLSXX	x 3"	1 / 20	2.09	
59-163SMLSXX	x 3-1/2"	1 / 12	2.51	
59-164SMLSXX	x 4"	1 / 12	2.86	
59-168SMLSXX	x 6"	1 / 11	3.20	
59-169SMLSXX	x 7"	1 / 8	4.35	
59-170SMLSXX	x 8"	1 / 8	5.86	
59-171SMLSXX	x 9"	1 / 8	6.58	
59-172SMLSXX	x 10"	1 / 8	7.31	
59-174SMLSXX	x 12"	1 / 5	8.88	
59-179SMLSXX	x 24"	1 / 3	18.13	

ISO 9002 - CERTIFICATE OF QUALITY - UL/FM LISTED AND APPROVED AT 300 PSI

Our quality fittings are made with care and attention to detail. With better molds we can reduce parting lines and rough edges resulting in better fluid flow. By using a low temperature galvanizing process the coating is more durable which means a longer lasting fitting. All Fittings are 100% Pressure Tested to 300# Class.

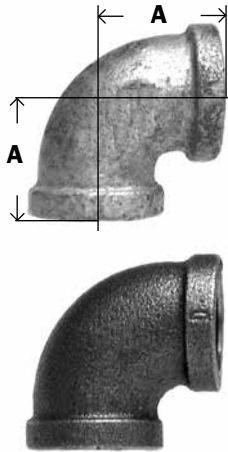
(Every fitting is subjected to an underwater fitness test to ensure the highest quality)

SPECIFICATIONS

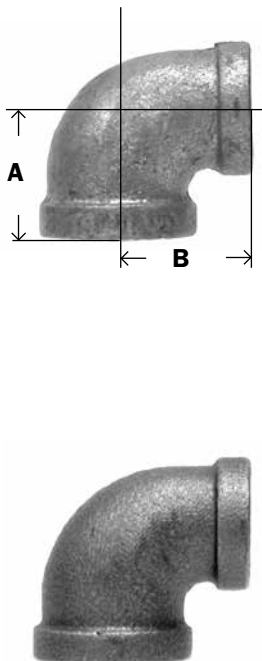
- MATERIAL: ASTM A 197 - Cuppla Malleable Iron, ASTM A 153 - Hot dipped galvanizing • Coating ASTM A164 LS
- DIMENSIONS: ANSI B 16.3 - Malleable Iron threaded fittings, ANSI B 16.14 - Ferrous Pipe Plugs, Bushings etc..., ANSI B 16.39 - Malleable Iron threaded pipe unions.
- THREADS: ANSI B 2.1 or BS 21 ASME B1.20.1 • RoHS Compliant • PHYSICAL PROPERTIES: Tensile Strength - 28.4kg /mm. Min. Elongation - 5% min.

MCM 300 PSI

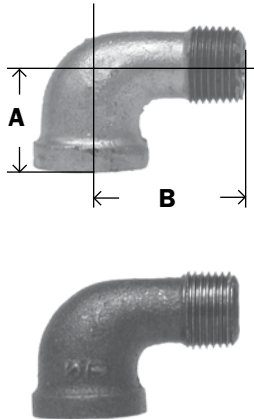
Steam ISO

ELBOWS 90°


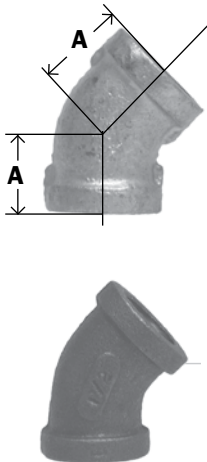
Part # Galvanized		Size	A	Box/ Case	Approx. Wt. Lbs.	Part # Black	
64-100		1/8"	0.69	50/600	0.07	65-100	
64-101		1/4"	0.81	35/420	0.10	65-101	
64-102		3/8"	0.95	45/540	0.16	65-102	
64-103		1/2"	1.12	50/400	0.23	65-103	
64-104		3/4"	1.31	35/210	0.35	65-104	
64-105		1"	1.50	20/120	0.57	65-105	
64-106		1-1/4"	1.75	20/80	0.86	65-106	
64-107		1-1/2"	1.94	10/60	1.31	65-107	
64-108		2"	2.25	8/32	1.79	65-108	
64-109		2-1/2"	2.70	6/18	3.35	65-109	
64-110		3"	3.08	7/14	5	65-110	
64-112		4"	3.79	2/6	9.02	65-112	
64-114		6"	5.13	2/2	23.68	65-114	

REDUCING ELBOWS 90°


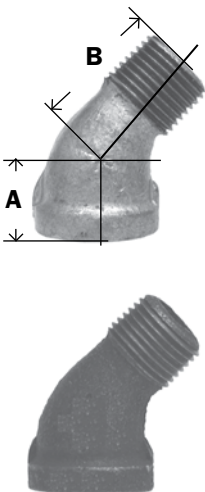
Part # Galvanized		Size	A	B	Box/ Case	Approx. Wt. Lbs.	Part # Black	
64-121		3/8" x 1/8"	0.81	0.85	70/840	0.11	65-121	
64-122		3/8" x 1/4"	0.88	0.90	60/720	0.16	65-122	
64-123		1/2" x 1/4"	0.97	0.98	40/480	0.21	65-123	
64-124		1/2" x 3/8"	1.04	1.03	50/400	0.24	65-124	
64-126		3/4" x 3/8"	1.12	1.13	25/300	0.31	65-126	
64-127		3/4" x 1/2"	1.20	1.22	30/240	0.44	65-127	
64-130		1" x 1/2"	1.26	1.40	30/180	0.52	65-130	
64-131		1" x 3/4"	1.37	1.45	25/150	0.58	65-131	
64-133		1-1/4" x 3/4"	1.45	1.62	15/120	0.79	65-133	
64-134		1-1/4" x 1"	1.58	1.67	10/80	0.80	65-134	
64-136		1-1/2" x 3/4"	1.52	1.75	15/90	0.88	65-136	
64-137		1-1/2" x 1"	1.65	1.80	10/80	1.07	65-137	
64-138		1-1/2" x 1-1/4"	1.82	1.88	15/60	1.12	65-138	
64-139		2" x 3/4"	1.60	1.97	10/60	1.20	65-139	
64-140		2" x 1"	1.73	2.02	14/56	1.41	65-140	
64-141		2" x 1-1/4"	1.90	2.10	10/40	1.53	65-141	
64-142		2" x 1-1/2"	2.02	2.16	10/40	1.65	65-142	
64-145		2-1/2" x 1-1/2"	2.16	2.51	8/24	2.97	65-145	
64-146		2-1/2" x 2"	2.39	2.60	12/24	3.18	65-146	
64-148		3" x 1-1/2"	2.28	2.83	9/18	4.54	65-148	
		3" x 2-1/2"	2.83	2.99	9/18	4.39	65-151	
		3" x 2"			9/18	4.22	65-150	
		4" x 3"			5/10	8.44	65-154	

90° STREET ELBOWS


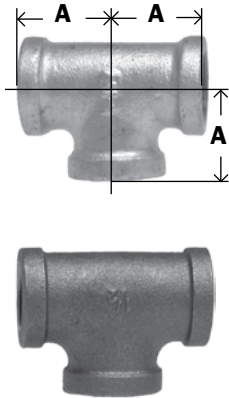
Part # Galvanized		Size	A	B	Box/ Case	Approx. Wt. Lbs.	Part # Black	
64-160		1/8"	0.69	1.00	60/720	.06	65-160	
64-161		1/4"	0.80	1.17	35/420	.10	65-161	
64-162		3/8"	0.95	1.48	40/480	.15	65-162	
64-163		1/2"	1.10	1.59	60/360	.22	65-163	
64-164		3/4"	1.28	1.85	35/210	.39	65-164	
64-165		1"	1.47	2.10	30/120	.60	65-165	
64-166		1-1/4"	1.75	2.57	25/75	.95	65-166	
64-167		1-1/2"	1.90	2.63	9/54	1.37	65-167	
64-168		2"	2.21	3.19	10/30	2.25	65-168	
64-169		2-1/2"	2.65	3.78	9/18	3.32	65-169	
64-170		3"	3.02	4.42	7/14	5.27	65-170	
64-171		4"	3.72	5.57	2/6	8.94	65-171	

ELBOWS 45°


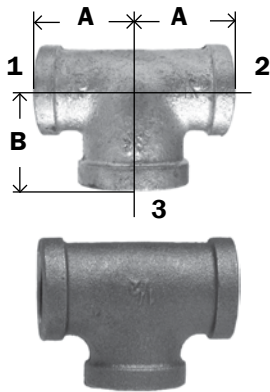
Part # Galvanized		Size	A	Box/ Case	Approx. Wt. Lbs.	Part # Black	
64-180		1/8"	0.63	50/600	.07	65-180	
64-181		1/4"	0.73	30/360	.10	65-181	
64-182		3/8"	0.80	50/600	.14	65-182	
64-183		1/2"	0.88	50/400	.21	65-183	
64-184		3/4"	0.98	40/240	.33	65-184	
64-185		1"	1.12	20/120	.50	65-185	
64-186		1-1/4"	1.29	20/80	.74	65-186	
64-187		1-1/2"	1.43	10/60	1.01	65-187	
64-188		2"	1.68	12/36	1.53	65-188	
64-189		2-1/2"	1.95	9/27	2.78	65-189	
64-190		3"	2.17	10/20	4.49	65-190	
64-191		4"	2.61	2/16	7.44	65-191	
64-192		6"	3.46	2/2	18.63	65-192	

45° STREET ELBOWS


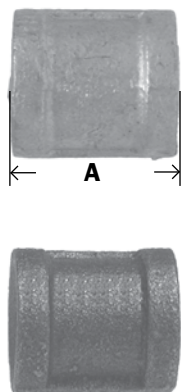
Part # Galvanized		Size	A	B	Box/ Case	Approx. Wt. Lbs.	Part # Black	
64-200		1/8"	0.63	0.83	70/840	.05	65-200	
64-201		1/4"	0.73	0.94	40/480	.09	65-201	
64-202		3/8"	0.80	1.03	50/600	.14	65-202	
64-203		1/2"	0.86	1.30	75/450	.19	65-203	
64-204		3/4"	0.96	1.48	40/240	.28	65-204	
64-205		1"	1.10	1.69	25/150	.48	65-205	
64-206		1-1/4"	1.26	1.87	10/80	.71	65-206	
64-207		1-1/2"	1.40	2.05	10/60	1.02	65-207	
64-208		2"	1.65	2.38	12/36	1.68	65-208	
64-209		2-1/2"	1.95	2.72	12/24	2.69	65-209	
64-210		3"	2.17	3.16	6/18	4.61	65-210	
64-211		4"	2.61	3.90	7/7	7.74	65-211	

TEES


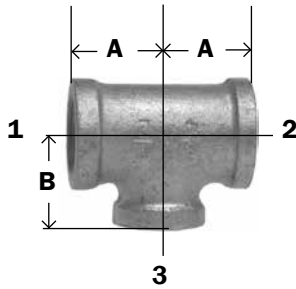
Part # Galvanized		Size	A	Box/ Case	Approx. Wt. Lbs.	Part # Black	
64-250		1/8"	0.69	80/960	.11	65-250	
64-251		1/4"	0.81	50/600	.15	65-251	
64-252		3/8"	0.95	30/360	.22	65-252	
64-253		1/2"	1.12	40/240	.36	65-253	
64-254		3/4"	1.31	35/140	.48	65-254	
64-255		1"	1.50	20/80	.83	65-255	
64-256		1-1/4"	1.75	14/56	1.29	65-256	
64-257		1-1/2"	1.94	15/45	1.66	65-257	
64-258		2"	2.26	10/30	2.50	65-258	
64-259		2-1/2"	2.70	8/16	4.45	65-259	
64-260		3"	3.08	6/12	6.72	65-260	
64-261		4"	3.79	2/6	11.31	65-261	
64-262		6"	5.13	2/2	30.75	65-262	

BULLHEAD TEES


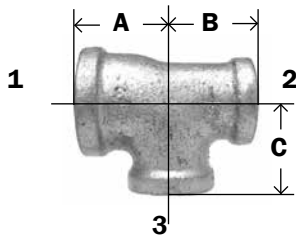
Part # Galvanized		Size (1&2) x 3	A	B	Box/ Case	Approx. Wt. Lbs.	Part # Black	
64-280		1/2" x 3/4"	1.22	1.20	30/180	.4	65-280	
64-733		1/2" x 1"	1.36	1.26	40/160	.50	65-733	
64-289		3/4" x 1"	1.45	1.37	20/120	.60	65-289	
64-299		1" x 1-1/4"	1.67	1.58	15/60	.96	65-299	
64-300		1" x 1-1/2"	1.80	1.65	15/60	1.11	65-300	
64-317		1-1/4" x 1-1/2"	1.88	1.82	14/56	1.07	65-317	
64-319		1-1/2" x 2"	2.12	1.98	2/6	2.10	65-319	

COUPLINGS


Part # Galvanized		Size	A	Box/ Case	Approx. Wt. Lbs.	Part # Black	
64-410		1/8"	0.96	70/840	.07	65-410	
64-411		1/4"	1.06	40/480	.09	65-411	
64-412		3/8"	1.16	50/600	.13	65-412	
64-413		1/2"	1.34	40/480	.19	65-413	
64-414		3/4"	1.52	50/300	.28	65-414	
64-415		1"	1.67	25/150	.45	65-415	
64-416		1-1/4"	1.93	16/128	.66	65-416	
64-417		1-1/2"	2.15	18/72	.84	65-417	
64-418		2"	2.54	12/48	1.39	65-418	
64-419		2-1/2"	2.88	8/32	2.42	65-419	
64-420		3"	3.18	12/24	3.49	65-420	
64-421		4"	3.69	6/12	5.81	65-421	
64-422		6"	4.23	1/1	28.62	65-422	

MALLEABLE FITTINGS**BLACK & GALVANIZED MALLEABLE IRON 150#****REDUCING TEES****(SAME SIZE ON RUN, REDUCING ON BRANCH)**

Part # Galvanized	Size (1&2) x 3	A	B	Box/ Case	Approx. Wt. Lbs.	Part # Black
64-273	3/8" x 1/4"	0.81	0.90	25/300	.18	65-273
64-276	1/2" x 1/4"	0.97	0.98	25/300	.24	65-276
64-279	1/2" x 3/8"	1.04	1.03	45/270	.35	65-279
64-282	3/4" x 1/4"	1.05	1.08	25/200	.43	65-282
64-283	3/4" x 3/8"	1.12	1.13	30/180	.39	65-283
64-286	3/4" x 1/2"	1.20	1.18	30/180	.49	65-286
64-268	1" x 1/4"	1.11	1.22	25/150	.51	65-268
64-269	1" x 3/8"	1.18	1.27	15/20	.55	65-269
64-291	1" x 1/2"	1.26	1.40	15/120	.63	65-291
64-298	1" x 3/4"	1.37	1.45	25/100	.71	65-298
64-301	1-1/4" x 1/2"	1.34	1.45	20/80	.91	65-301
64-303	1-1/4" x 3/4"	1.45	1.62	12/72	.99	65-303
64-306	1-1/4" x 1"	1.58	1.66	16/64	1.07	65-306
64-316	1-1/2" x 3/4"	1.41	1.75	10/60	1.23	65-316
64-318	1-1/2" x 1"	1.65	1.88	13/52	1.33	65-318
64-322	1-1/2" x 1-1/4"	1.65	1.88	15/45	1.52	65-322
64-327	2" x 1/2"	1.49	1.88	10/40	1.64	65-327
64-328	2" x 3/4"	1.60	1.97	10/40	1.71	65-328
64-330	2" x 1"	1.73	2.02	12/36	1.88	65-330
64-334	2" x 1-1/4"	1.86	2.06	8/32	2.03	65-334
64-336	2" x 1-1/2"	1.98	2.12	8/32	2.22	65-336
64-343	2-1/2" x 1-1/2"	2.16	2.51	8/24	2.97	65-343
64-351	3" x 2"	2.52	2.89	6/12	5.35	65-351

REDUCING TEES**(REDUCING ON RUN)**

Part # Black	Size 1 x 2 x 3	A	B	C	Box/Case	Approx. Wt. Lbs.
65-287	3/4" x 1/2" x 1/2"	1.18	1.18	1.20	30/180	.39
65-288	3/4" x 1/2" x 3/4"	1.28	1.20	1.28	40/160	.49
65-292	1" x 1/2" x 1/2"	1.31	1.22	1.31	20/120	.51
65-296	1" x 3/4" x 3/4"	1.34	1.28	1.42	25/100	.63
65-297	1" x 3/4" x 1"				2/100	.62
65-309	1-1/4" x 1" x 1"	1.55	1.47	1.63	18/72	1.00
65-346	1-1/4" x 3/4" x 1/2"				18/72	1.05
65-349	1-1/4" x 1" x 1/2"				18/72	1.10
65-372	1-1/2" x 1" x 1"				18/60	1.28
65-375	1-1/2" x 1-1/4" x 3/4"				18/60	1.30
65-377	1-1/2" x 1-1/4" x 1-1/4"				18/60	1.35

LOCKNUTS

• Minimum Quantity may apply



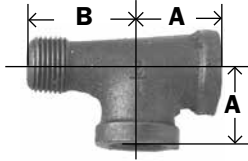
Part # Galvanized	Size	Hex	Thickness	Box/ Case	Approx. Wt. Lbs.
64-703	1/2"	1.18	0.32	100/1200	.06
64-704	3/4"	1.43	0.35	60/720	.08
64-705	1"	1.75	0.39	40/480	.14
64-706	1-1/4"	2.10	0.43	30/360	.19
64-707	1-1/2"	2.35	0.48	45/270	.25
64-708	2"	2.88	0.54	25/150	.39

* Black locknuts available on special order basis.

BLACK & GALVANIZED MALLEABLE IRON 150#

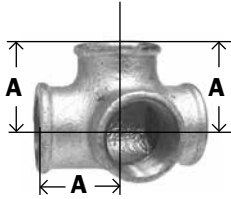
MALLEABLE FITTINGS

MALLEABLE SERVICE TEE (STREET TEE)



Part # Galvanized	List Price	Size	A	B	Box/ Case	Approx. Wt. Lbs.	Black	
64-363	9.67	1/2"	1.12	1.62	40/120	0.31	65-363	
64-364	10.62	3/4"	1.31	1.89	25/150	0.49	65-364	
64-365	32.95	1"			25/100	.55		

SIDE OUTLET TEES



Part # Galvanized	List Price	Size	A	Box/ Case	Approx. Wt. Lbs.	Part # Black	
64-383	15.07	1/2"	1.12	25/200	.39	65-383	
64-384	19.04	3/4"	1.31	15/120	.58	65-384	
64-385	30.86	1"	1.50	25/75	.88	65-385	
64-386	51.35	1-1/4"	1.75	12/36	1.32	65-386	

REDUCING COUPLINGS



Part # Galvanized	Size	A	Box/ Case	Approx. Wt. Lbs.	Part # Black	
64-430	1/4" x 1/8"	1.00	50/600	.07	65-430	
64-431	3/8" x 1/8"	1.13	35/420	.09	65-431	
64-432	3/8" x 1/4"	1.13	30/360	.11	65-432	
64-433	1/2" x 1/8"	1.25	50/600	.13	65-433	
64-434	1/2" x 1/4"	1.25	50/600	.11	65-434	
64-435	1/2" x 3/8"	1.25	40/480	.15	65-435	
64-439	3/4" x 1/8"	1.44	40/480	.18	65-439	
64-436	3/4" x 1/4"	1.44	30/360	.19	65-436	
64-437	3/4" x 3/8"	1.44	30/360	.21	65-437	
64-438	3/4" x 1/2"	1.44	60/360	.25	65-438	
64-459	1" x 1/4"	1.69	45/270	.34	65-459	
64-440	1" x 3/8"	1.69	30/240	.35	65-440	
64-441	1" x 1/2"	1.69	30/240	.36	65-441	
64-442	1" x 3/4"	1.69	25/200	.39	65-442	
64-460	1-1/4" x 3/8"	2.06	25/150	.55	65-460	
64-444	1-1/4" x 1/2"	2.06	25/150	.53	65-444	
64-445	1-1/4" x 3/4"	2.06	25/150	.57	65-445	
64-446	1-1/4" x 1"	2.06	15/120	.61	65-446	
64-443	1-1/2" x 3/8"	2.31	20/120	.71	65-443	
64-447	1-1/2" x 1/2"	2.31	20/120	.69	65-447	
64-448	1-1/2" x 3/4"	2.31	15/120	.71	65-448	
64-449	1-1/2" x 1"	2.31	25/100	.78	65-449	
64-450	1-1/2" x 1-1/4"	2.31	12/96	.87	65-450	
64-458	2" x 1/2"	2.81	14/84	1.14	65-458	
64-451	2" x 3/4"	2.81	14/84	1.14	65-451	
64-452	2" x 1"	2.81	14/84	1.21	65-452	
64-453	2" x 1-1/4"	2.81	12/72	1.19	65-453	
64-454	2" x 1-1/2"	2.81	12/72	1.38	65-454	
64-461	2-1/2" x 1-1/2"	3.25	20/40	2.07	65-461	
64-462	2-1/2" x 2"	3.25	20/40	2.23	65-462	
64-486	3" x 1-1/2"	3.69	16/32	3.23	65-486	
64-456	3" x 2"	3.69	16/32	3.30	65-456	
64-463	3" x 2-1/2"	3.69	12/24	3.55	65-463	
64-464	4" x 2"	4.38	4/12	5.55	65-464	
64-465	4" x 2-1/2"	4.38	6/18	5.90	65-465	
64-457	4" x 3"	4.38	4/12	6.05	65-457	
	6" x 4"	4.24	4/8	10.86	65-491	

MALLEABLE FITTINGS

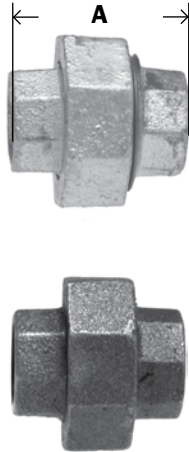
BLACK & GALVANIZED MALLEABLE IRON 150#

HEX BUSHING



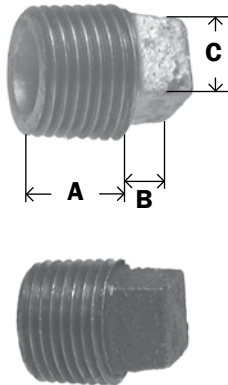
Part # Galvanized		Size M x F	A	Hex	Box/ Case	Approx. Wt. Lbs.	Part # Black	
		*1/4" x 1/8"	} Use steel fittings for smaller sizes					
		*3/8" x 1/8"						
		*3/8" x 1/4"						
64-503		1/2" x 1/8"	0.84	1.03	100/120	.09	65-503	
64-505		1/2" x 3/8"	0.75	1.03	100/1200	.07	65-505	
64-506		3/4" x 1/8"	0.85	1.15	50/600	.14	65-506	
64-507		3/4" x 1/4"	0.85	1.15	50/600	.13	65-507	
64-508		3/4" x 3/8"	0.85	1.15	50/600	.12	65-508	
64-509		3/4" x 1/2"	0.93	1.15	50/600	.10	65-509	
64-510		1" x 1/4"	1.13	1.12	50/400	.20	65-510	
64-511		1" x 3/8"	1.13	1.12	50/400	.18	65-511	
64-512		1" x 1/2"	1.10	1.42	50/400	.21	65-512	
64-513		1" x 3/4"	1.10	1.42	50/400	.17	65-513	
64-514		1-1/4" x 1/4"	1.24	1.12	30/240	.29	65-514	
64-515		1-1/4" x 3/8"	1.24	1.12	30/240	.29	65-515	
64-516		1-1/4" x 1/2"	1.24	1.24	30/240	.31	65-516	
64-517		1-1/4" x 3/4"	1.08	1.76	30/240	.35	65-517	
64-518		1-1/4" x 1"	1.08	1.76	30/240	.29	65-518	
64-519		1-1/2" x 1/4"	1.30	1.12	25/150	.40	65-519	
64-520		1-1/2" x 3/8"	1.30	1.12	25/150	.38	65-520	
64-521		1-1/2" x 1/2"	1.30	1.34	25/150	.38	65-521	
64-522		1-1/2" x 3/4"	1.30	1.44	25/150	.40	65-522	
64-523		1-1/2" x 1"	1.23	2.00	25/150	.45	65-523	
64-524		1-1/2" x 1-1/4"	1.23	2.00	25/150	.34	65-524	
64-525		2" x 3/8"	1.28	1.12	20/120	.57	65-525	
		2" x 1/4"			20/100	.57	65-526	
64-527		2" x 1/2"	1.39	1.34	20/120	.57	65-527	
64-528		2" x 3/4"	1.39	1.63	20/120	.63	65-528	
64-529		2" x 1"	1.39	1.77	20/120	.66	65-529	
64-530		2" x 1-1/4"	1.50	2.48	20/120	.74	65-530	
64-531		2" x 1-1/2"	1.50	2.48	20/120	.61	65-531	
64-546		2-1/2" x 1/2"	1.51	1.34	15/60	.97	65-546	
64-547		2-1/2" x 3/4"	1.51	1.63	15/60	.91	65-547	
64-532		2-1/2" x 1"	1.51	1.95	15/60	.97	65-532	
64-533		2-1/2" x 1-1/4"	1.51	2.39	15/60	1.03	65-533	
64-534		2-1/2" x 1-1/2"	1.51	2.98	15/60	1.16	65-534	
64-535		2-1/2" x 2"	1.54	2.98	15/60	1.01	65-535	
64-550		3" x 1"	1.61	1.95	12/48	1.41	65-550	
64-549		3" x 1-1/4"	1.61	2.39	12/48	1.42	65-549	
64-537		3" x 1-1/2"	1.61	2.68	12/48	1.51	65-537	
64-538		3" x 2"	1.61	3.86	12/48	1.71	65-538	
64-539		3" x 2-1/2"	1.61	3.86	12/48	1.68	65-539	
64-551		4" x 3/4"	2.15	4.90	5/20	3.88	65-551	
64-553		4" x 1"	2.00	4.75	5/20	3.79	65-553	
64-552		4" x 1-1/4"				2.39	65-552	
64-540		4" x 1-1/2"	1.82	2.68	5/20	2.39	65-540	
64-541		4" x 2"	1.82	3.31	5/20	2.52	65-541	
64-542		4" x 2-1/2"	2.06	3.87	5/20	2.87	65-542	
64-543		4" x 3"	2.17	4.96	5/20	2.95	65-543	
		5" x 4"			4/8	6.80	65-544	
64-545		6" x 4"	2.33	5.79	4/8	7.11	65-545	

NIPPLES &
FITTINGS

UNIONS


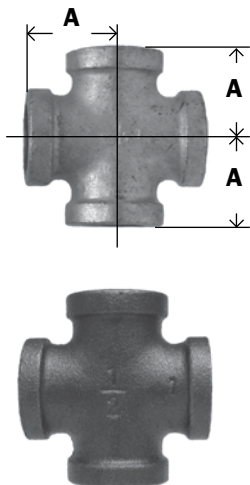
• Brass Seat

Part # Galvanized		Size	A	Box/ Case	Approx. Wt. Lbs.	Part # Black	
64-600		1/8"	1.26	30/360	.17	65-600	
64-601		1/4"	1.44	20/240	.25	65-601	
64-602		3/8"	1.61	20/240	.37	65-602	
64-603		1/2"	1.72	50/200	.52	65-603	
64-604		3/4"	1.94	35/140	.78	65-604	
64-605		1"	2.06	20/80	1.18	65-605	
64-606		1-1/4"	2.26	15/60	1.64	65-606	
64-607		1-1/2"	2.41	10/40	2.08	65-607	
64-608		2"	2.75	6/24	3.24	65-608	
64-609		2-1/2"	3.22	8/16	5.31	65-609	
64-610		3"	3.50	7/14	6.94	65-610	
64-611		4"	3.85	7/7	12.02	65-611	

SQUARE HEAD PLUGS


• Cored

Part # Galvanized		Size	A	B	C	Box/ Case	Approx. Wt. Lbs.	Part # Black	
		*1/8"	} Use steel fittings for smaller sizes						
		*1/4"							
		*3/8"							
64-653		1/2"	0.58	0.38	0.56	50/600	.08	65-653	
64-654		3/4"	0.65	0.44	0.63	30/360	.13	65-654	
64-655		1"	0.75	0.50	0.82	20/240	.22	65-655	
64-656		1-1/4"	0.82	0.56	0.94	40/240	.33	65-656	
64-657		1-1/2"	0.85	0.62	1.13	30/180	.41	65-657	
64-658		2"	0.91	0.68	1.31	20/120	.68	65-658	
64-659		2-1/2"	1.26	0.74	1.50	16/64	.89	65-659	
64-660		3"	1.16	0.80	1.69	16/48	1.68	65-660	
64-661		4"	1.22	1.00	2.28	8/16	3.02	65-661	
		6"				5/10	11.41	65-662	

CROSSES


Part # Galvanized		Size	A	Box/ Case	Approx. Wt. Lbs.	Part # Black	
64-390		1/8"	0.65	50/600	.14	65-390	
64-391		1/4"	0.80	40/480	.17	65-391	
64-392		3/8"	0.95	25/300	.26	65-392	
64-393		1/2"	1.12	30/180	.42	65-393	
64-394		3/4"	1.31	20/120	.64	65-394	
64-395		1"	1.50	15/60	.98	65-395	
64-396		1-1/4"	1.75	20/40	1.45	65-396	
64-397		1-1/2"	1.94	18/36	1.90	65-397	
64-398		2"	2.25	10/20	2.96	65-398	
64-399		2-1/2"	2.71	4/12	5.49	65-399	
64-400		3"	3.06	4/8	7.71	65-400	
		4"		2/4	14.77	65-401	

MALLEABLE FITTINGS

BLACK & GALVANIZED MALLEABLE IRON 150#

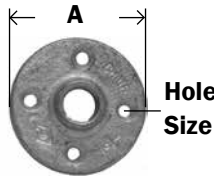
CAPS



Part # Galvanized		Size	A	Box/ Case	Approx. Wt. Lbs.	Part # Black	
		1/4"	0.62	100/800	.07	65-471	
64-472		3/8"	0.74	60/720	.08	65-472	
64-473		1/2"	0.87	50/600	.13	65-473	
64-474		3/4"	0.97	40/320	.18	65-474	
64-475		1"	1.16	25/200	.30	65-475	
64-476		1-1/4"	1.28	20/160	.47	65-476	
64-477		1-1/2"	1.33	18/108	.66	65-477	
64-478		2"	1.45	12/72	.99	65-478	
64-479		2-1/2"	1.70	28/56	1.58	65-479	
64-480		3"	1.80	18/36	2.51	65-480	
64-481		4"	2.08	7/21	4.09	65-481	
64-482		6"	2.55	4/8		65-482	

* Use steel fittings for smaller sizes. See page 282 for Galvanized and Black Steel Fittings.

FLOOR FLANGES



Part # Galvanized		Size	A	Thickness	Hole Size	Box/ Case	Approx. Wt. Lbs.	Part # Black	
64-692		1/2"	3.50	0.50	0.25	25/100	.63	65-692	
64-693		3/4"	3.50	0.63	0.25	15/90	.73	65-693	
64-694		1"	4.00	0.69	0.25	15/60	1.02	65-694	
64-695		1-1/4"	4.00	0.75	0.25	10/60	1.00	65-695	
64-696		1-1/2"	4.50	0.87	0.31	8/48	1.37	65-696	
64-697		2"	5.50	1.00	0.31	8/32	2.11	65-697	

EXTENSION FIP X MIP



Part #	Size	Approx. WT. Lbs.	Box/Case	
65-621	1/2"	0.12	75 / 300	
65-622	3/4"	0.23	40 / 160	
65-623	1"	0.32	30 / 90	

STEEL MAGNETIC PLUGS

Steel Magnetic Drain Plugs - NPT Threaded

Magnetic Drain Plugs are similar to standard pipe or straight thread drain plugs with one important difference - a permanent magnet is fastened to the plug body. This magnet attracts and holds abrasive, ferrous metal particles preventing their circulation through the lubrication or hydraulic system.

These abrasive, ferrous metal particles appear in lubricating or hydraulic systems as a result of the following conditions:

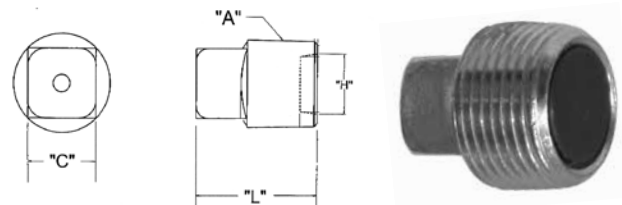
- The constant flaking effect of normal wear of moving parts.
- Particles not removed by flushing operations after boring or machining.
- Chipping due to sub-surface casting flaws.
- Minute component breakdown caused by stress usage.

Magnetic Drain Plugs prevent excessive wear to the system's components.

Magnetic Plugs are used by numerous manufacturers of gear boxes, transmissions, engines, and hydraulic systems for the automotive, aircraft, agricultural and machinery industries.

Typical applications include:

- Outboard Engines
- Earthmoving Equipment
- Combines
- Balers
- Crawler Tractors
- Lift Trucks
- Mining Equipment
- Military Vehicles
- Turbine Engines
- Truck Axles
- Heavy-Duty Transmissions



Part	Size "A"	Head Width "C"	Recess Dia. "H"	O/L Length "L"	
28-996	3/8 - 18	.428 - .440	.435 - .445	.805 - .860	
28-997	1/2 - 14	.553 - .565	.560 - .570	.970 - 1.04	
28-998	3/4 - 14	.615 - .627	.725 - .735	1.120 - 1.170	
28-999	1-11 1/2	.803 - .815	.895 - .905	1.25 - 1.33	

BLACK & GALVANIZED STEEL FITTINGS

STEEL FITTINGS

ROHS, WEE, REACH COMPLIANT - MADE IN THE USA

HEX BUSHINGS



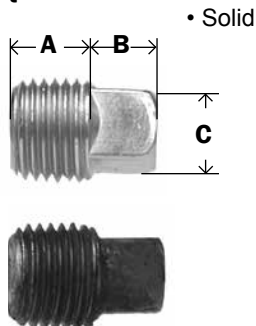
Part # Galvanized	Size M x F	A	Hex	Approx. Wt. Lbs.	Part # Black
66-500	1/4" x 1/8"	0.63	0.62	0.02	67-500
66-501	3/8" x 1/8"	0.66	0.68	0.04	67-501
66-502	3/8" x 1/4"	0.66	0.68	0.02	67-502
66-503	1/2" x 1/8"	0.80	0.87	0.10	67-503
66-504	1/2" x 1/4"	0.80	0.87	0.08	67-504
66-505	1/2" x 3/8"	0.80	0.87	0.06	67-505
66-506	3/4" x 1/8"	0.94	1.06	0.18	67-506
66-507	3/4" x 1/4"	0.94	1.06	0.14	67-507
66-508	3/4" x 3/8"	0.94	1.06	0.14	67-508
66-509	3/4" x 1/2"	0.94	1.06	0.10	67-509
66-510	1" x 1/4"	1.00	1.31	0.16	67-510
66-511	1" x 3/8"	1.00	1.31	0.26	67-511
66-512	1" x 1/2"	1.00	1.31	0.22	67-512
66-513	1" x 3/4"	1.00	1.31	0.14	67-513
	1-1/4" x 1/8"				67-514

CAPS



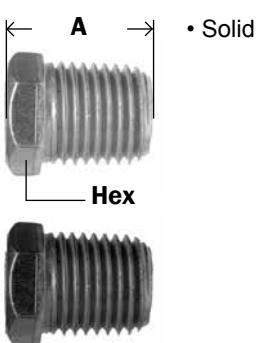
Part # Galvanized	Size NPTF	A	Hex	Approx. Wt. Lbs.	Part # Black
66-470	1/8"	0.53	0.56	0.02	67-470
66-471	1/4"	0.63	0.62	0.04	67-471
66-472	3/8"	0.69	0.81	0.06	67-472
66-473	1/2"	0.87	1.00	0.12	67-473
66-474	3/4"	0.97	1.18	0.16	67-474
66-475	1"	1.16	1.50	0.30	67-475
66-476	1-1/4"	1.28	2.00	0.68	67-476
66-477	1-1/2"	1.35	2.25	0.83	67-477
66-478	2"	1.45	2.625	1.36	

SQUARE HEAD PLUGS



Part # Galvanized	Size NPTF	A	B	C	Approx. Wt. Lbs.	Part # Black
	1/16"	0.33	0.18	0.22	0.01	67-669
66-670	1/8"	0.33	0.24	0.28	0.01	67-670
66-671	1/4"	0.45	0.28	0.37	0.02	67-671
66-672	3/8"	0.50	0.31	0.43	0.04	67-672
66-653	1/2"	0.59	0.38	0.55	0.12	67-653
66-654	3/4"	0.63	0.44	0.62	0.18	67-654
66-655	1"	0.75	0.5	0.81	0.34	67-655
66-656	1-1/4"	0.80	0.56	0.93	0.62	67-656
66-657	1-1/2"	0.83	0.62	1.12	0.82	67-657
66-658	2"	0.88	0.68	1.31	1.36	67-658

HEX HEAD PLUGS



Part # Galvanized	Size NPTF	A	Hex	Approx. Wt. Lbs.	Part # Black
66-770	1/8"	0.55	0.43	0.01	67-770
66-771	1/4"	0.74	0.56	0.04	67-771
66-772	3/8"	0.67	0.68	0.06	67-772
66-773	1/2"	0.80	0.70	0.12	67-773
66-774	3/4"	0.94	1.06	0.18	67-774
66-775	1"	1.00	1.31	0.22	67-775
66-776	1-1/4"	1.17	1.75	0.7	67-776
66-777	1-1/2"	1.51	2.00	1.2	67-777
66-778	2"	1.65	2.50	2.06	67-778

STEEL FITTINGS**BLACK & GALVANIZED STEEL FITTINGS**

- 1010 Carbon Steel, 3/4 taper threads (see hydraulic section for 7/8 taper threads.)
- Finish or coating • Black Dipped in rust resistant • Galvanized, Zinc Plated (Inside and Out)

COUNTERSUNK PLUG - Square Socket

Galvanized						Black	
Part #		Size NPTF	A	Socket Size	Approx. Wt. Lbs.	Part #	
66-630		1/8"	0.29	0.19	0.01	67-630	
66-631		1/4"	0.45	0.25	0.02	67-631	
66-632		3/8"	0.45	0.31	0.04	67-632	
66-633		1/2"	0.59	0.38	0.08	67-633	
66-634		3/4"	0.60	0.50	0.12	67-634	
66-635		1"	0.75	0.50	0.16	67-635	
66-636		1-1/4"	0.80	0.75	0.32	67-636	
66-637		1-1/2"	0.83	0.75	0.45	67-637	
66-638		2"	0.88	0.875	2.06	67-638	

COUNTERSUNK PLUG - Hex Socket

Galvanized						Black	
Part #		Size NPTF	A	Socket Size	Approx. Wt. Lbs.	Part #	
66-760		1/16"	0.29	0.15	0.01	67-760	
66-761		1/8"	0.29	0.18	0.01	67-761	
66-762		1/4"	0.44	0.25	0.02	67-762	
66-763		3/8"	0.44	0.31	0.04	67-763	
66-764		1/2"	0.59	0.37	0.08	67-764	
66-765		3/4"	0.60	0.56	0.14	67-765	
66-766		1"	0.75	0.625	0.22	67-766	
66-767		1-1/4"	0.80	0.75	0.37	67-767	
66-768		1-1/2"	0.83	1.0	0.45	67-768	
66-769		2"	0.88	1.0	0.86	67-769	

- Flush plugs available upon request

FACE BUSHING

Galvanized					Black	
Part #		Size M x F	A	Approx. Wt. Lbs.	Part #	
66-700		1/4" x 1/8"	0.44	0.01	67-700	
66-701		3/8" x 1/8"	0.48	0.02	67-701	
66-702		3/8" x 1/4"	0.48	0.02	67-702	
		1/2" x 1/8"	0.56	0.04	67-703	
66-704		1/2" x 1/4"	0.56	0.04	67-704	
66-705		1/2" x 3/8"	0.56	0.04	67-705	
		3/4" x 1/4"	0.62	0.12	67-707	
66-708		3/4" x 3/8"	0.62	0.10	67-708	
66-709		3/4" x 1/2"	0.62	0.10	67-709	
		1" x 3/8"	0.75	0.18	67-711	
66-712		1" x 1/2"	0.75	0.16	67-712	
66-713		1" x 3/4"	0.75	0.16	67-713	

Max. pressure: 300 psi WOG @ 72°F; 150 psi WOG saturated steam

- Meet ANSI/ ASME B1.20.1 standards
- Galvanized meet ASME B16.3 Standards
- Black meet ASTM 197 standards

90° ELBOW


Part #	Size	
69-101	1/4"	
69-102	3/8"	
69-103	1/2"	
69-104	3/4"	
69-105	1"	
69-106	1-1/4"	
69-107	1-1/2"	
69-108	2"	

45° ELBOW


Part #	Size	
69-181	1/4"	
69-182	3/8"	
69-183	1/2"	
69-184	3/4"	
69-185	1"	
69-186	1-1/4"	
69-187	1-1/2"	
69-188	2"	

90° STREET ELBOW


Part #	Size	
69-161	1/4"	
69-162	3/8"	
69-163	1/2"	
69-164	3/4"	
69-165	1"	
69-166	1-1/4"	
69-167	1-1/2"	
69-168	2"	

TEE


Part #	Size	List Price
69-252	3/8"	
69-253	1/2"	
69-254	3/4"	
69-255	1"	
69-256	1-1/4"	
69-257	1-1/2"	
69-258	2"	

COUPLING


Part #	Size	List Price
69-411	1/4"	
69-412	3/8"	
69-413	1/2"	
69-414	3/4"	
69-415	1"	
69-416	1-1/4"	
69-417	1-1/2"	
69-418	2"	

MALLEABLE FITTINGS**BLACK EXTRA HEAVY 300# MALLEABLE IRON****REDUCING COUPLING**

Part #	Size	
69-432	3/8 x 1/4"	
69-434	1/2 x 1/4"	
69-435	1/2 x 3/8"	
69-438	3/4 x 1/2"	
69-441	1 x 1/2"	
69-442	1 x 3/4"	

CAP

Part #	Size	
69-471	1/4"	
69-472	3/8"	
69-473	1/2"	
69-474	3/4"	
69-475	1"	
69-476	1-1/4"	
69-477	1-1/2"	
69-478	2"	

UNION

• Brass Seat



Part #	Size	
69-600	1/8"	
69-601	1/4"	
69-602	3/8"	
69-603	1/2"	
69-604	3/4"	
69-605	1"	
69-606	1-1/4"	
69-607	1-1/2"	
69-608	2"	